

# Tamper proof family



## Pre-set Pressure Regulator

Miniature In-Line Relieving Pre-set Pressure Regulator

● *Pre-set, Non-adjustable*

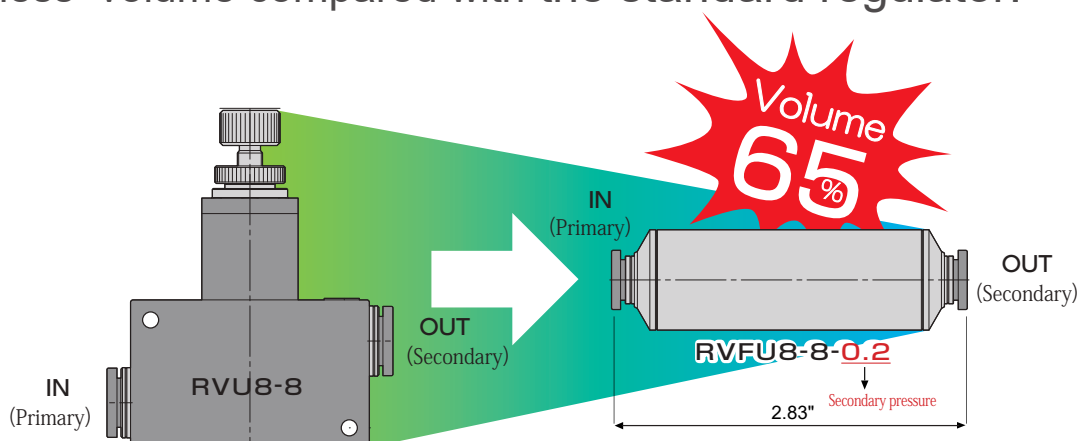
● *In-Line Union*

● *Compact Design, Easy to Install*

■ The down stream pressure is permanently pre-set.

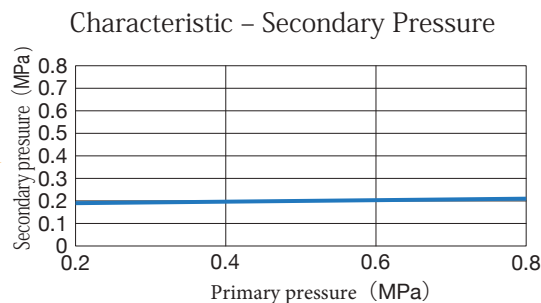
⇒ Easy to install for 5/32", 1/4", 3/8", ø4mm, ø6mm, ø8mm, ø10mm O.D. tubing and M5 female thread ports.

■ 35% less volume compared with the standard regulator.



The secondary pressure remains the same even when the primary pressure changes

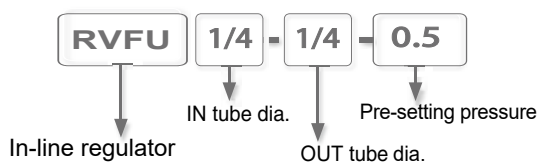
Ex.) In case of 0.2Mpa (29psi) model  
Secondary pressure to primary pressures (actual measurements)



### Reverse flow mechanism

The regulator can be installed between solenoid valves and cylinders or actuators for immediate exhausting of secondary air pressure.

### Model Designation (Example)



### Specification

Fluid	Air
Operating pressure range	Pre-set pressure ~ 145psi (1.0MPa)
Operating temp. range	32 ~ 140°F (0~ 60°C) (no freezing)
Applicable tubing O.D. and thread port	5/32" , 1/4" , 5/16" (ø8mm), 3/8" , ø4mm, ø6mm, ø8mm, ø10mm, M5 female thread

### Port size IN/OUT

Code	1/4	3/8	5/32	M5	4	6	8	10
Port size	1/4" O.D.	3/8" O.D.	5/32" O.D.	M5 female thread	4mm O.D.	6mm O.D.	8mm O.D.	10mm O.D.

❖ 8mm O.D. port can be used as 5/16" O.D. port

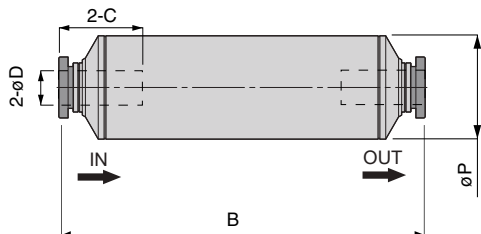
### Pre-setting Pressure

Code (Pressure in MPa)	0.05	0.08	0.1	0.15	0.2	0.25	0.3	0.35	0.4
Converted to psi	7.25 psi	11.6 psi	14.5 psi	21.8 psi	29 psi	36.3 psi	43.5 psi	50.8 psi	58 psi

Code (Pressure in MPa)	0.45	0.5	0.55	0.6	0.65	0.7
Converted to psi	65.3 psi	72.5 psi	79.8 psi	87 psi	94.3 psi	101.5 psi

❖ Contact us for pressure setting other than the above settings.

## RVFU Pressure Pre-set Union



Unit : inch

Model code	Tubing O.D. øD	B	øP	Tube end C
RVFU5/32-5/32	5/32"	2.75	0.78	0.59
RVFU1/4-1/4	1/4"	2.79	0.78	0.67
RVFU3/8-3/8	3/8"	3.43	0.78	0.81
RVFU5-M5	M5 female thread	2.79	0.78	-
RVFU4-4	ø4mm	2.75	0.78	0.59
RVFU6-6	ø6mm	2.79	0.78	0.67
RVFU8-8	ø8mm	2.83	0.78	0.72
RVFU10-10	ø10mm	3.43	0.78	0.81